

1R - 426-303

REPORTS

DATE:

4-10-12

DISCLOSURE

2011

BD Jct. K-32

2012 MAY -1 P 1:49

RECEIVED OCD

18426-303

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinebry-Drinkard (BD)	Jct. K-32	K	32	22S	38E	Lea	Length 7'	Width 5'	Depth 2'
							Moved 143' East		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER D.K. Boyd Oil and Gas Co. OTHER _____

Depth to Groundwater 154 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 7/21/2011 Date Completed 11/10/2011 OCD Witness No

Soil Excavated 133.3 cubic yards Excavation Length 20 Width 15 Depth 12 feet

Soil Disposed 84 cubic yards Offsite Facility Sundance Services, Inc. Location Eunice, NM

FINAL ANALYTICAL RESULTS:

Sample Date 9/1/2011 Sample Depth 12'

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.8	<10.0	51.2	2,440
BOTTOM COMP.	0.9	<10.0	22.2	560
BLENDED BACKFILL	0.9	<10.0	86.6	272

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	N/A	852
bottom comp.	12'	556
blended backfill	N/A	343
background	6"	93
vertical delineation trench at 5' south of source	2'	419
	4'	895
	6'	1,389
	8'	606
	10'	1,714
	12'	1,847

General Description of Remedial Action: An investigation was conducted using a

backhoe to collect soil samples at regular intervals producing a 20x15x12-ft excavation.

Chloride field tests performed on each sample yielded elevated concentrations. Organic vapors

were measured using a PID which yielded low concentrations. 84 cubic yards of excavated soil

was hauled to a NMOCD approved facility. The remaining excavated soil was blended on site

and representative composite samples of the excavation bottom, the excavation walls, and the

blended backfill were sent to a commercial laboratory for analysis of chloride and TPH. The

excavation was backfilled with excavated soil to ground surface and contoured to the surrounding area. On 9/30/2011 and 11/10/11, the site was

seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. A new water tight junction box was

built 143-ft. east. NMOCD was notified of potential groundwater impact on 3/12/2012.

ADDITIONAL EVALUATION IS LOW PRIORITY

enclosures: photos, lab results, PID (field) screenings, chloride curve, revegetation form

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Robert Egans SIGNATURE signature not available

REPORT ASSEMBLED BY Laura Peña SIGNATURE Laura Peña

COMPANY RICE OPERATING COMPANY

PROJECT LEADER Zach Conder SIGNATURE Zach Conder

DATE 4-10-12

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

BD Jct. K-32

Unit K, Section 32, T22S, R38E



Site prior to excavation, facing east 7/21/2011



Excavating, facing east 7/28/2011



Sampling, facing east 8/30/2011



Completed excavation and new watertight junction box, facing east 9/1/2011



Seeding site, facing north 9/30/2011



Reseeding site, facing east 11/10/2011

September 06, 2011

Hack Conder

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: BD JCT K-32

Enclosed are the results of analyses for samples received by the laboratory on 09/01/11 16:44.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

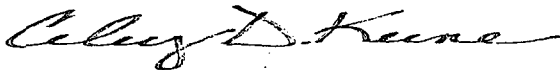
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

COPY

Analytical Results For:

 Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

 Received: 09/01/2011
 Reported: 09/06/2011
 Project Name: BD JCT K-32
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/01/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT BOTTOM COMP (H101870-01)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/02/2011	ND	448	112	400	3.64	
TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2011	ND	174	87.2	200	0.657	
DRO >C10-C28	22.2	10.0	09/05/2011	ND	177	88.3	200	0.760	
Surrogate: 1-Chlorooctane	110 %	55.5-154							
Surrogate: 1-Chlorooctadecane	110 %	57.6-158							

Sample ID: 4 WALL COMP (H101870-02)

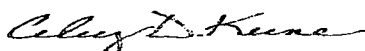
Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	09/02/2011	ND	448	112	400	3.64	
TPH 8015M		mg/kg	Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2011	ND	174	87.2	200	0.657	
DRO >C10-C28	51.2	10.0	09/05/2011	ND	177	88.3	200	0.760	
Surrogate: 1-Chlorooctane	105 %	55.5-154							
Surrogate: 1-Chlorooctadecane	103 %	57.6-158							

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Rice Operating Company
 Hack Conder
 112 W. Taylor
 Hobbs NM, 88240
 Fax To: (575) 397-1471

Received:	09/01/2011	Sampling Date:	09/01/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	BD JCT K-32	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: BLENDED BACKFILL (H101870-03)

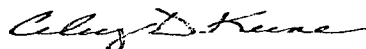
Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/02/2011	ND	448	112	400	3.64	
TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/05/2011	ND	174	87.2	200	0.657	
DRO >C10-C28	86.6	10.0	09/05/2011	ND	177	88.3	200	0.760	
Surrogate: 1-Chlorooctane	108 %	55.5-154							
Surrogate: 1-Chlorooctadecane	110 %	57.6-158							

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

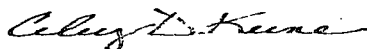
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

[illegible]

PLEASE NOTE: Liability for personnel, Cardinals' liability and clients' exclusive remedy for all claims arising from Cardinal's services shall be limited to the amount of the fee paid by client for such service. All claims regarding those services shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>Jodi Benson</i>		Date: <i>9/11/11</i>	Received By: <i>Jodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Time: <i>4:44</i>				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:
Time:				email results
Delivered By: (Circle One)		Sample Condition		CHECKED BY:
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<i>JH</i>
		<input type="checkbox"/> No <input type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

NEED SAMPLES BACK, PLEASE

RICE ENVIRONMENTAL CONSULTING & SAFETY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

CK.	<input checked="" type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 590-000508
MODEL	<input type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 590-001413
NO.	<input type="checkbox"/>	MODEL: PGM 7320	SERIAL NO: 592-903318
	<input type="checkbox"/>	MODEL: PGM 7300	SERIAL NO: 590-000183

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 248-100-1	EXPIRATION DATE: 7-1-2015
METER READING ACCURACY: 100	

ACCURACY : +/- 2%

COMPANY
Rice Operating

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	JCT. K-32	K	32	22S	38E

SAMPLE ID	PID	SAMPLE ID	PID
5PT. BOTTOM COMPOSITE	0.9		
4-WALL COMPOSITE	0.8		
BLENDED BACKFILL	0.9		

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

Robert Jones

DATE:

9-1-2011

COPY

CHLORIDE CONCENTRATION CURVE

RICE Operating Company

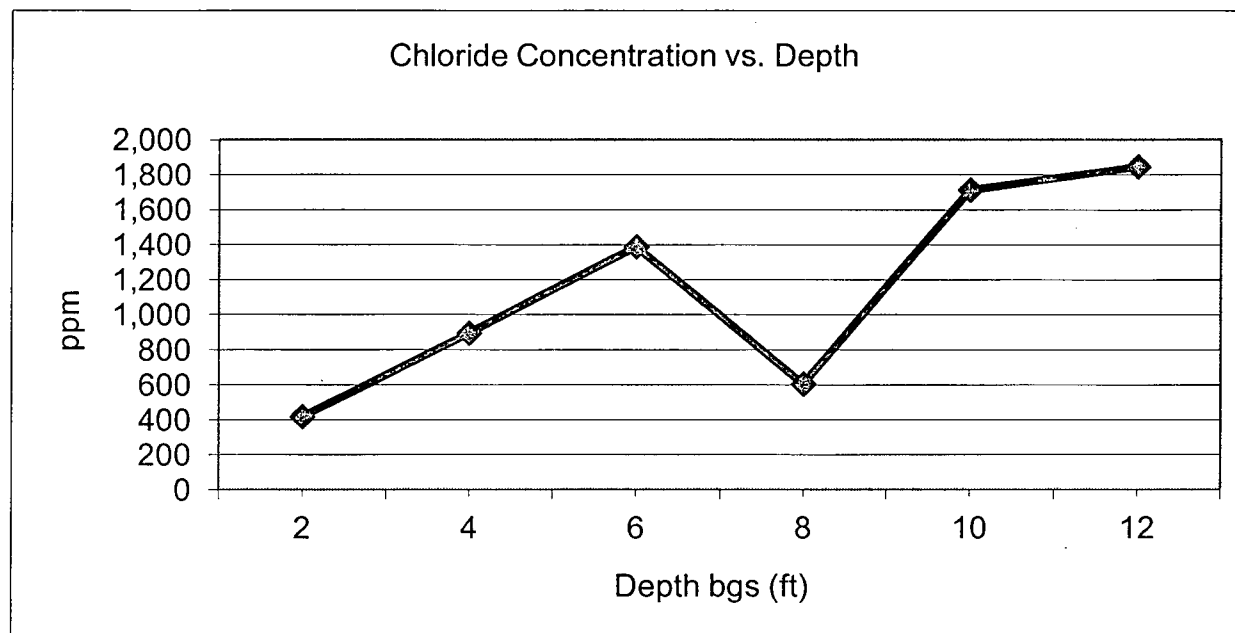
BD Jct. K-32

Unit 'K', Sec. 32, T22S, R38E

Backhoe samples at 5 ft South of the junction (source)

Depth bgs (ft)	[Cl] ppm
2	419
4	895
6	1,389
8	606
10	1,714
12	1,847

Groundwater = 154 ft





PO Box 5630
Hobbs, NM 88241
Phone: (575) 393-4411
Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

Site name: BD K-32 JCT						
U/L K	Section 32	Township T22S	Range R38E	County Lea	Latitude 32° 20.694'	Longitude 103° 5.075
Contact Name: Bruce Baker						
Email: bbaker@rice-ecs.com						
Site size: 5,640			square feet		Map detail of site attached <input checked="" type="checkbox"/>	
Additional information:						

2. Soils

**Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input checked="" type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input type="checkbox"/>	Blended <input checked="" type="checkbox"/>	Depth (in):
Texture: Describe soil & subsoil:				
Soil prep methods: Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 9/19/2011				

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:		Describe:
Lbs/acre:		

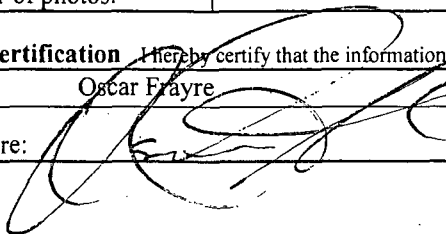
4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 5 lbs. blue grama and side oats grass seed mix	Seeding date: 9/30/2011
Broadcast <input checked="" type="checkbox"/>			
Method: Broadcast spreader			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input checked="" type="checkbox"/>		Observations:	
Number of photos:			

5. Certification

Hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Oscar Frayre	Title: Environmental Tech	Date: 9/30/2011
Signature: 		

COPY



PO Box 5630
Hobbs, NM 88241
Phone: (575) 393-4411
Fax: (575) 393-0293

REVEGETATION FORM

1. General Information

Site name: BD K-32 JCT						
U/L K	Section 32	Township T22S	Range R38E	County Lea	Latitude 32° 20.694'	Longitude 103° 5.075
Contact Name: Bruce Baker						
Email: bbaker@rice-ecs.com						
Site size: 5,640			square feet		Map detail of site attached <input checked="" type="checkbox"/>	
Additional information:						

2. Soils

**Do not rip caliche subsoils; caliche rocks brought to the surface by ripping shall be removed.*

Salvaged from site <input checked="" type="checkbox"/>	Bioremediated <input type="checkbox"/>	Imported <input type="checkbox"/>	Blended <input checked="" type="checkbox"/>	Depth (in):	
Texture:		Describe soil & subsoil:			
Soil prep methods:	Rip <input type="checkbox"/>	Depth(in):	Disc <input type="checkbox"/>	Depth (in):	Rollerpack <input type="checkbox"/>
Date completed: 9/19/2011					

3. Bioremediation

Fertilizer <input type="checkbox"/>	Hay <input type="checkbox"/>	Other <input type="checkbox"/>
Type:		Describe:
Lbs/acre:		

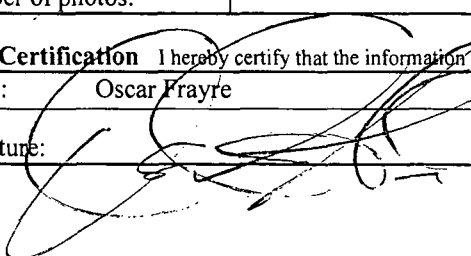
4. Seeding

**Attach seed bag tags to this form. Seed bag tags shall contain the site name and S-T-R.*

Custom seed mix <input checked="" type="checkbox"/>	Prescribed mix <input type="checkbox"/>	Seed mix name: 6 lbs. Boyd Johnston Grass Seed	Seeding date: 11/10/2011
Broadcast <input checked="" type="checkbox"/>			
Method: Broadcast spreader			
Soil conditions during seeding: Dry <input checked="" type="checkbox"/> Damp <input type="checkbox"/> Wet <input type="checkbox"/>			
Photos attached <input checked="" type="checkbox"/>		Observations:	
Number of photos:			

5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name: Oscar Frayre	Title: Environmental Tech	Date: 11/10/2011
Signature: 		

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